ABSTRACT

A connection device for a tire-building drum significantly improves work efficiency for connection and disconnection of a tire-building drum, with requirements for safety, cost, durability, occupied space, etc. sufficiently satisfied. The device connects a center shaft of a tire-building drum to a drive shaft on the building machine body side, where counter lock portions fitting into each other are provided on shaft ends of both shafts that are brought into contact with each other. One end portion of a tubular member is screwed to a head portion of the drive shaft, and cam rollers rotatable about center axes oriented in the radial direction are provided on an inner peripheral surface of the other end portion. At one end portion of the drum center shaft, there is provided a flange that is pressed by the cam rollers to the drive shaft side when the tubular member is displaced by tightening. Cutout portions are provided in the flange, for preventing the tubular body from interfering the cam rollers before the tightening displacement takes place.